

Serial No.: 10/767,128
Examiner: David B. Thomas
Art Unit: 3723

AMENDMENT TO THE SPECIFICATION

Please amend the paragraph at page 8, line 18, as follows:

By way of example, in one manufactured driver, the tip 18 has an engagement length L which is 0.100 inch, defines a smallest distal hexagon corresponding to a d_o of 0.049 inch, and defines a largest proximal hexagon corresponding to a d_e of 0.0525 inch. Placing such values into equation (2) and using trial and error to solve for θ , it can be determined that a preferred twist angle θ is approximately 7.56° . Given typical manufacturing tolerances, approximating θ with $\pm 10\%$ of the determined results should provide desirable results. With such twist angle, the sides of the tip of the driver along an upper portion thereof (adjacent entry into the socket) will lie against the facets of the socket and impart excellent torque transmission to the fastener. In addition, the edges of driver by making contact against the sides of the socket distribute stresses to thereby provide a system with overall low contact stress. Furthermore, insertion of the tip into the socket of the fastener is facilitated by the tapered design, and the fastener is retained on the driver via engagement of the edges of the driver tip against the sides of the socket.